

APPENDIX J

GLOSSARY

Army Oil Analysis Program

Part of a DOD-wide effort to detect impending equipment and component failures and determine lubricant condition through the evaluation of used oil samples.

Army Oil Analysis Program Feedback

Maintenance and disassembly inspection data regarding an engine or other major assembly furnished by the operating and maintenance activities to the Army Oil Analysis Program Laboratories.

Assembly

A combination of components or modules and parts used as a portion of, and is intended for further installation in an equipment end item (for example, engine, transmission, rotor head, electronic chassis, rack, or cabinet).

Available Days

The days equipment is on hand in an organization and is fully able to do its mission. The time equipment is fully mission capable (FMC).

Before Operation Checks

Checks performed by the operator or crew per -10 TM PMCS tables, in an effort to find faults that will prevent mission performance and therefore, must be corrected prior to starting the mission. When faults are not corrected by the operator or crew, they are reported to unit maintenance (or appropriate repair level) before the mission. Before operation checks should be completed by the operator or crew in 20 minutes or less.

Breakdown Maintenance

Breakdown maintenance is accomplished when a breakdown or failure occurs (See ER 1130-2-500).

Built in Test Equipment

Any identifiable, removable device which is part of an equipment or components under test that is used for the express purpose of testing.

Calibration

Comparison of an instrument (measurement standard or item of test, measurement, and diagnostic equipment) of unverified accuracy with an instrument of known or greater accuracy, to detect and correct an accuracy discrepancy in the unverified instrument.

Component/Module

A combination of parts mounted together in manufacture, which may be tested, replaced as a unit, or repaired (for example, starter, generator, fuel pump, and printed circuit boards). The term module is normally associated with equipment.

Contract Maintenance

Any material maintenance operation performed under contract by commercial organizations (including the original manufacturer of the materiel).

Controlled Exchange

Removal of serviceable parts, components, and assemblies from unserviceable, but economically repairable equipment and their immediate reuse in restoring an item of equipment to a mission capable condition.

Deferred Maintenance

Authorized delay of maintenance or repair of uncorrected faults. Commanders or their designated representatives must authorize delays in correcting a fault. Equipment with deferred maintenance does not meet the maintenance standard.

- a. Required maintenance or repair can be deferred only when the fault will not affect the operation of the equipment, or the safety of the operator and (or) passengers.
- b. Repair on status symbol "X" deficiencies will not be deferred.
- c. Corrections with the required parts available will not normally be deferred. When there are minor corrections for faults which are labor intensive, the repair may be deferred until the next scheduled service.

Deficiency

A fault or problem that causes equipment to malfunction. Faults that make the equipment not mission capable (NMC) are deficiencies.

- a. A fault is a deficiency when the fault causes one or more of the following to occur:
 - (1) Makes an item, subsystem, or system inoperable.
 - (2) Makes the equipment unsafe or endangers the crew.
 - (3) Will seriously damage the equipment.
 - (4) Makes the equipment so inaccurate, that it cannot perform its mission as needed.
- b. The "X" status symbol is assigned to a deficiency. All the above situations would carry an "X" symbol.

Diagonal Slash “(/)”

Indicates a materiel defect, other than a deficiency, that must be corrected. The correction increases efficiency or makes the item completely serviceable.

Equipment

Any item that is self-powered, towed or stationary that is designed to perform an operational function.

Equipment in Place

For the purpose of this pamphlet, equipment-in-place is movable TDA, CTA, and CPAD nonexpendable equipment that has been affixed to real property, but that may be removed without destroying or reducing the usefulness of the facility. It does not include installed building equipment. Therefore, unlike installed equipment, equipment-in-place is personal property, is accounted for on property books or DA Form 661 (Record of Equipment in Place) and is programmed for replacement with either investment or expense funds. (AR 735-72, chap 3.)

Fault

A term used to indicate that a piece of equipment has a deficiency or shortcoming.

Floating Plant

Watercraft.

Fully Mission Capable

Systems and equipment that are safe and have all mission-essential subsystems installed and operating within design specifications. The terms ready, available and full mission capable refer to the same status (equipment is on hand and able to perform its missions).

Horizontal Dash “(-)”

Indicates that a required inspection, component replacement, maintenance operation check, or test flight is due, but has not been accomplished, or that an overdue MWO is still outstanding.

Installed Equipment

An item of equipment that is affixed and built into a facility as an integral part. This equipment is necessary to make the facility complete, and if removed, would destroy or reduce the usefulness of the facility. The manner of use for equipment determines if it is integral to the facility. Installed equipment is therefore not included in the TDA, CPAD, or CTA. Then, it follows that TDA, CPAD, and CTA equipment should never become installed property.

Inter-Service Maintenance Support

Maintenance operations performed on a recurring or nonrecurring basis by the organic maintenance capability of one military service or element thereof in support of another military service or element thereof.

Maintainability

An equipment characteristic, due to its design and installation, that gives it the inherent ability to be repaired. The degree of this ability is affected by the operating time it accumulates and the manner in which maintenance is performed on it.

Maintenance Capability

Availability of the resources, facilities, tools, TMDE, drawings, technical publications, trained maintenance personnel, repair parts, and engineering and management support that are necessary in order to perform maintenance operations.

Maintenance Coordinator

An individual responsible for the maintenance of specific items of equipment, and also may be responsible for dispatching the equipment designated for usage tracking.

Maintenance Manager (MM)

An individual responsible for the conduct of maintenance operation at a particular location. The MM is responsible for scheduled and unscheduled maintenance actions and supervises maintenance coordinators in the execution of their duties

Maintenance Officer

An individual responsible for the maintenance management program within a specified activity (i.e., division, district, laboratory, etc.).

Maintenance Operations

The management and physical performance of those actions and tasks involved in servicing, repairing, testing, overhauling, modifying, calibrating, modernizing, and inspecting, materiel in the operational inventory and the provision of technical assistance to the equipment users in support of units of the Army Logistics System.

Materiel

Personal Property.

Materiel Maintenance

The function of sustaining materiel in an operational status, restoring it to a serviceable condition, or updating and upgrading its functional usefulness through modification or other alteration. It includes the subfunctions of maintenance engineering and maintenance operations.

Non-Available Days

The days the equipment was not able to do its mission (the number of days the equipment is not mission capable).

Not Mission Capable (NMC)

A materiel condition indicating that equipment cannot perform any one of its missions. NMC is divided into not mission capable maintenance (NMCM) and not mission capable supply (NMCS).

Not Mission Capable Maintenance

Equipment that cannot perform its mission because of maintenance work underway or needed.

Not Mission Capable Supply

Equipment that cannot perform its mission because of maintenance work stoppage due to shortage of a spare or repair part.

Oil

A liquid lubricant or transfer fluid used in engines, transmissions, and hydraulic systems.

Oil Analysis

A test or series of tests (spectrometric and physical property) that provide an indication of equipment component and oil condition by applying methods of quantitative measurement of wear metals and detection of contaminants in an oil sample.

On-Condition Oil Change

An oil change directed by the AOAP laboratory as a result of findings relative to the condition of the oil and its lubricating capability.

Overhaul

To restore an item to a complete serviceable condition as prescribed by maintenance serviceable standards (normally accomplished at a depot).

Part

An item which cannot normally be disassembled or repaired, or is of such design that disassembly or repair is impractical (bracket, gear, resistors, toggle switches).

Personal Property

Property of any kind except real property and records of the Federal Government.

Possible days

The number of calendar days an item was on hand on the property book during the report period. For an item you received during the reporting period, count the first day it was on hand as a whole possible day. Do not count the last day an item is on hand (the day you lose it from your property book) as a possible day.

Preventive Maintenance

All actions performed in an attempt to retain an item in a specified condition by providing systematic inspection, detection, and prevention of incipient failures.

Preventive Maintenance Checks and Service (PMCS)

Preventive maintenance checks and services are the care, servicing, inspection, detection, and correction of minor faults before these faults cause serious damage, failure, or injury. The procedures and category of maintenance to perform PMCS are found in the -10 and -20 Equipment Technical Manuals and Lubrication Orders.

Program Director Army Program Army Oil Analysis Program

An activity designated by the Department of the Army as the executive agent for management of the Army Oil Analysis Program.

Real Property

Land, facilities, and it's installed personal property when, if removed, impacts the facility's function.

Rebuild

To restore an item to a standard, as nearly as possible, to original or new condition in form, fit, function, and life expectancy. This is done using the maintenance technique of complete disassembly of the item, inspection of all parts or components, repair or replacement of worn or unserviceable items using original manufacturing tolerances and specifications and then item reassembly.

Repair

The restoration or replacement of parts and (or) units to maintain efficient operating conditions.

Scheduled PMCS

Checks and services performed by activity maintenance personnel with assistance from the operator or crew. They are completed per the PMCS tables in -10 or -20 series TM and lube orders and (or) per manufacturers' manuals. Some equipment also requires scheduled PMCS tasks be performed by Direct Support (DS) personnel per the equipment -30 series TM. All equipment faults are corrected or if above the unit maintenance level authorization to correct (specified in the MAC), job ordered to DS maintenance. Deferred maintenance is completed during the next scheduled service.

Shortcoming

A fault that requires maintenance or supply action on a piece of equipment but does not render the equipment "not mission capable" NMC.

System

A combination of equipment end items, assemblies, major components, and parts assembled as a single functional unit to perform a task or mission.

Test, Measurement, and Diagnostic Equipment

Any system or device used to evaluate a system or equipment's operational condition and to identify and (or) isolate any actual or potential malfunction. TMDE includes diagnostic and prognostic equipment, quality assurance items and calibration, test or measurement equipment. It includes TMDE that is identified as a separate end item or is configured within an end item or system. TMDE also includes manual, semiautomatic and automatic test equipment (with issued software).

Unscheduled Maintenance

Unexpected maintenance that is required because of either equipment or component failure.

Watercraft

Coastal, harbor and inland waterway craft.